

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

OCT 21 1996

Department of Water Resources

A. GENERAL INFORMATION

Permit No.

95-08613

1. Owner: GREEN FERRY WATER AND SEWER DIST. Phone No. 773-5510
Current Address: P.O. BOX 1105 Post Falls, Id. 83854 4/25/03
2. Accompanied by: John Parks / Kent Lundgren EXAM DATE: 9-17-96
Address: Same as above Phone No. 773-5510
Relationship to Permit Holder: System Operator / Permit Holder
3. Source: GROUNDWATER tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-07557, 95-07087 Spokane River
2. Other water rights with the same point of diversion: 95-08619 Lapsed

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident No.	Gov't Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
	5		SW	NW	12	50N	05W	Kootenai	U.S.G.S 7.5' QUAD, Site Visit
	6		SE	NN	12	50N	5W	Kootenai	Plat map GPS Readings

2. Place(s) of Use:

Indicate Method of Determination "As Built"

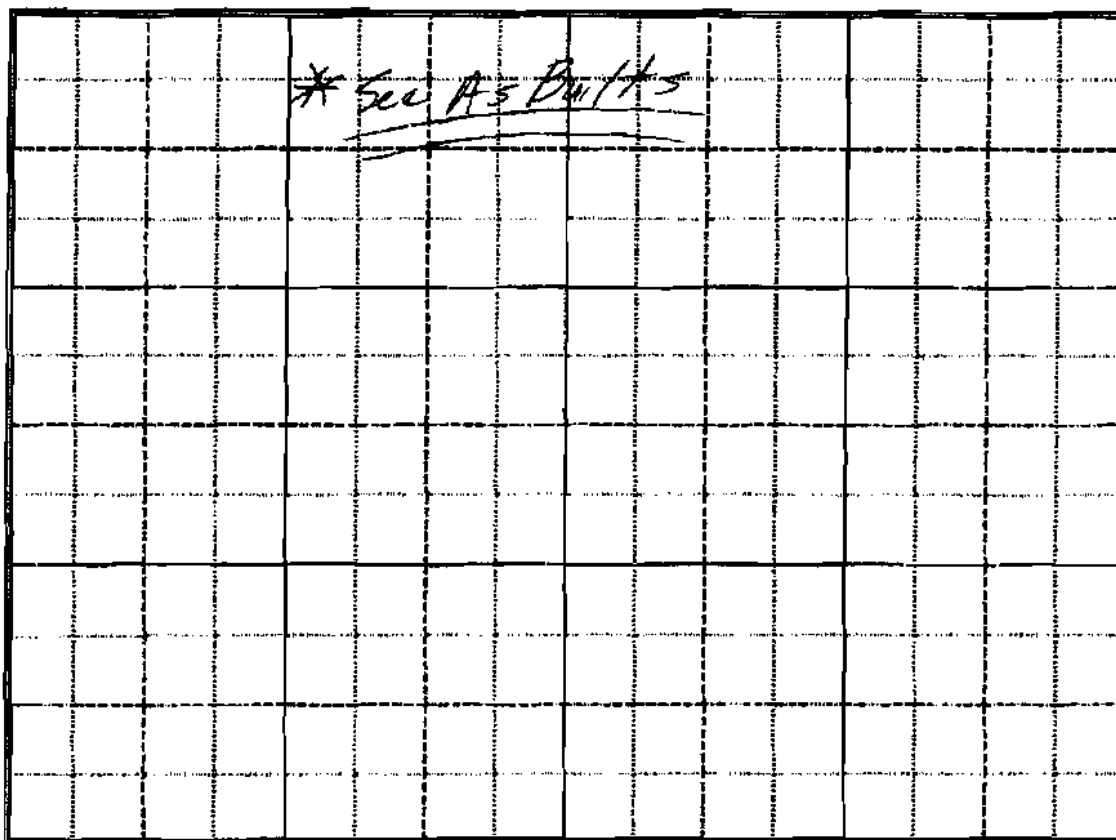
TWP	RGE	SEC	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	05W	10																	
50N	05W	11																	
50N	05W	12																	
50N	05W	13																	
50N	05W	14																	

*AERA SURVED BY GREEN FERRY
WATER AND SEWER DISTRICT.
Within the District Boundary.
Municipal water use.

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3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable.



Scale: 1" = _____

☒ Copy of USGS Quadrange Attached Showing location(s) of point(s) of diversion and piece(s) of use (required).

☒ Aerial Photo Attached required for irrigation of 10+ acres

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Well #1	SimFlo	75	#82049493		8"
	U.S. Electrical				
Well #2		75	Submersible JTK		

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Water Specialties	Inline Flowmeter			#930948-6	8"	

2. Measurements: Reading on Flowmeter was 550 gpm to 560 gpm. This corresponds w/ Theoreticals. NO place to use Polysonic Meter.

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W21 1 1 7804

E. NARRATIVE/REMARKS/COMMENTS

System consist of (1) one Well with a 75 HP Pump. Water is pumped to 2 Storage Reservoirs; #1 - 100,000 gallons #2 = 150,000 gallons. From the Reservoirs water is distributed through 8" main line. From the 8" main line water is served through various size pipe to 277 Homes.

Approximately 15 Fire Hydrant are also connected to the system.

The irrigation part of this Permit is for Lawn and Garden, therefore I recommend Domestic be approved for only 16 AFA/home.

PWN 1280077

Second Well added as backup in 2003

System is configured so that only one well will run at any given time

Have conditions of permit approval been met? ☒ yes ☐ no

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F. FLOW CALCULATIONSX Additional Computation Sheets Attached

Measured Method:

See Theoretical Calculation.*G. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \frac{(138.5)(3.5)}{1} = 484.75$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days In Irrigation Season}) \times 1.9835 = \frac{(1.00)(245)(1.9835)}{1} = 485.95$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{484.75}$$

2. Volume Calculations for Other Uses:

$$(277 \text{ Homes})(.6) = \underline{166.2 \text{ AFA}}$$

$$(277 \text{ Homes})(.5 \text{ acre IRR.}) = \underline{138.5 \text{ ACRES}}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
~~Domestic~~	~~1-01~~	~~12-31~~	~~1.0~~	~~166.20~~
~~IRRIGATION~~	~~3-15~~	~~12-15~~	~~1.0~~	~~484.75~~
Municipal	1/1	12/31	1.0	
Totals:			1.00	850.95

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATIONField Examiner's Name Bob Haynes Date 4/25/03Reviewer [Signature] Date 2/1/8

MICROFILMED SEAL

MAR 29 2004

E. NARRATIVE/REMARKS/COMMENTS

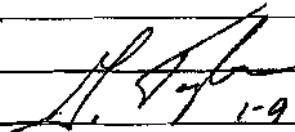
According to Bob Haynes, the reason this application was filed was because when he performed a field exam for 95-8613 in April, 2003 the flow meter read 550-560 gpm but their permit was for only 1.0 cfs.

Recommend using 2003 exam performed by Bob Haynes.

$$560 \text{ gpm} / 448.8 \text{ gpm} = 1.25 \text{ cfs.}$$

Recommend licensing this right for 1.0 cfs and limiting remark that this right when used in combination w/ 95-8613 is limited to 1.25 cfs.

This allows water right the full benefit of a municipal right, ~~this would~~ because 8613 has a diversion volume limit.

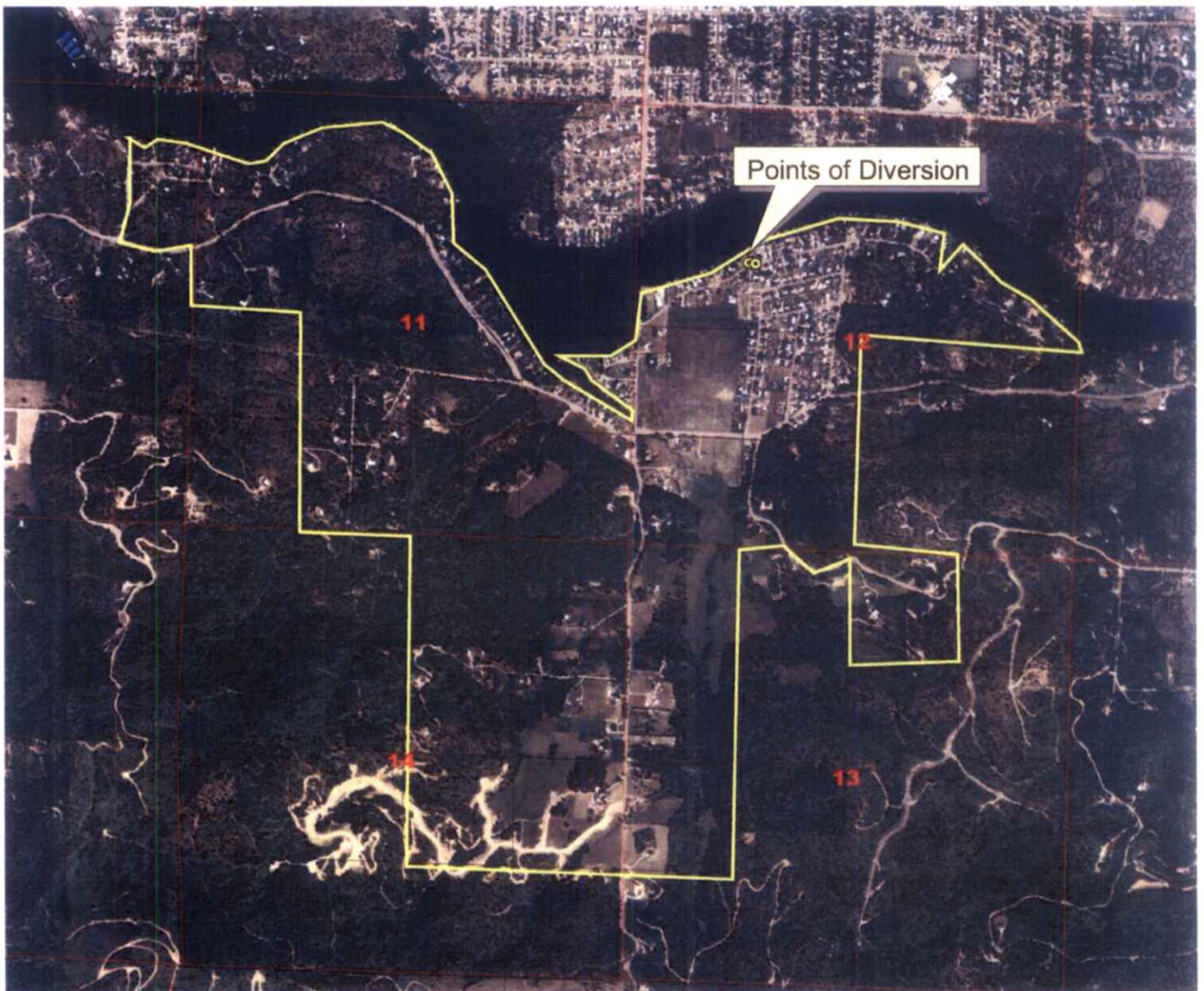

1-9-07

Have conditions of permit approval been met? ☒ yes ☐ no

95-9082

T50N R5W Sections 12-14

-  Place of Use
-  Point of Diversion



Scale: 1"=600'

